

Form PTO-1449 INFORMATION DISCLOSURE CITATION ON AN APPLICATION <small>(Use several sheets if necessary)</small>			Docket Number (Optional) MSA-023.01(20974-2301)	Application Number 09/888,056	RECEIVED	
			Applicant Kornman & Duff	Filing Date June 22, 2001	Group Art Unit 1645	MAR 05 2002 TECH CENTER 1600/200
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	PILING DATE IF APPROPRIATE
AC	US 6,063,630	05/16/00	Treco et al.	435	463	
AB	US 6,204,062 B1	03/20/01	Ratner	435	463	
AC	US 5,686,246	11/11/97	Kornman et al.	435	6	
AD	US 5,698,399	12/16/97	Duff et al.	435	6	
AE	US 6,140,047	10/31/00	Duff et al.	435	6	
AF	US 6,210,872 B1	04/03/01	Hosaki et al.	430	631	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
AG	WO 00/08492	02/17/00	PCT			English Abstract on first page
AH	WO 01/00880 A2	01/04/01	PCT			X
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>						
AI	Postma et al.; "Genetic Susceptibility to Asthma Bronchial Hyperresponsiveness Coinherited with a Major Gene For Atopy", The New England Journal of Medicine, 333(14):894-900, (October 5, 1995)					
AJ	Hart & Kornman, "Genetic Factors in the Patogenesis of Periodontitis", Periodontology 14 : 202-215, (1997)					
AK	Ahmed et al.; "Major Histocompatibility Complex Susceptibility Genes for Dermatitis Herpetiformis Compared with Those for Gluten-sensitive Enteropathy", J. Exp. Med. 178 : 2067-2075, (1993)					
AL	Dinarello A. Charles; "Interleukin- I", Review of Infectious Disease, 6(1): S1-95, (January-February, 1984)					
AM	Molvig et al.; "Endotoxin-Stimulated Human Monocyte Secretion of Interleukin 1, Tumour Necrosis Factor Alpha, and Prostaglandin E ₂ Shows Stable Interindividual Differences", Scand. J. Immunol. 27: 705-716, (1988)					
AN	Bendtzen et al.; "Association Between HLA-DR2 and Production of Tumour Necrosis Factor α and Interleukin 1 by Mononuclear Cells Activated by Lipopolysaccharide", Scand. J. Immunol. 28: 599-606, (1988)					
AO	Messer et al.; "Polymorphic Structure of the Tumor Necrosis Factor (TNF) Locus: An NcoI Polymorphism in the First Intron of the Human TNF- β Gene Correlates with a Variant Amino Acid in Position 26 and a Reduced Level of TNF- β Production", J. Exp. Med., 173: 209-219, (January 1991)					
AP	Sinha et al.; "Autoimmune Diseases: The Failure of Self Tolerance", 248: 1380-1388, (June 15, 1990)					
AQ	Jacob et al.; "Heritage Major Histocompatibility Complex class II- Associated Differences in Production of Tumor Necrosis Factor α : Relevance to Genetic Predisposition to Systematic Lupus Erythematosus", Proc. Natl. Acad Sci. USA, 87: 1233-1237, (February 1990)					
AC	Marsh et al.; "Linkage Analysis of IL4 and Other Chromosome 5q31.1 Markers and Total Serum Immunoglobulin E Concentrations", Science 264: 1152-1156, (May 20, 1994)					

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McGuire, et al.; "Variation in the TNF- α Promoter Region Associated with Susceptibility to Cerebral Malaria", Nature 371: 508-511, (October 6, 1994)			
AT	Wilson et al.; "An Allelic Polymorphism within the Human Tumor Necrosis Factor α Promoter Region is Strongly Associated with HLA A1, B8, and DR3 Alleles", J. Exp. Med. 177: 557-560, (February 1993)		
AU	Happle and Hoffman; "Cytokine Patterns in Alopecia Areata Before and After Topical Immunotherapy", The Journal of Investigative Ophthalmology, 104(5): 14S-1SS, (May 1995)		
AV	Wilson et al.; "Comparative Genetic Association of Human Leukocyte Antigen Class II and Tumor Necrosis Factor-Alpha with Dermatitis Herpetiformis", J. Invest. Dermatol. 104: 856-858, (1995)		
AW	Slotman et al.; "Interleukin-1 Mediates Increased Plasma Levels of Eicosanoids and Cytokines in Patients with Sepsis Syndrome", Shock 4(5): 318-323, (1995)		
AX	Abraham et al.; "Polymorphic MHC Ancestral Haplotypes Affect the Activity of Tumour Necrosis Factor-Alpha", Clin. Exp. Immunol. 92: 14-18, (1993)		
AY	Wilson et al.; "A Genetic Association Between Systemic Lupus Erythematosus and Tumor Necrosis Factor Alpha", Eur. J. Immunol. 24:191-195, (1994)		
AZ	Chaim O. Jacob, "Tumor Necrosis Factor α In Autoimmunity: Pretty Girl or Old Witch?", Immunology Today 13(4): 122-125, (1992)		
BA	Degli-Esposti et al.; "An Approach to the Localization of the Susceptibility Genes for Generalized Myasthenia Gravis by Mapping Recombinant Ancestral Haplotypes", Immunogenetics 35: 355-364, (1992)		
BB	Cox et al.; "Comparative Analysis of the Genetic Associations of HLA-DR3 and Tumour Necrosis Factor Alpha with Human IDDM", Diabetologia 37: 500-503, (1994)		
BC	Pociot et al.; "Association of Tumor Necrosis Factor (TNF) and Class II Major Histocompatibility Complex Alleles with the Secretion of TNF- α and TNF- β by Human Mononuclear Cells: A Possible Link to Insulin-Dependent Diabetes Mellitus", Eur. J. Immunol. 23: 224-231, (1993)		
BD	Meyers et al.; "Evidence for a Locus Regulating Total Serum IgE Levels Mapping to Chromosome 5", Genomics 23: 464-470, (1994)		
BE	Sergio Romagnani; "Short Analytical Review TH1 and TH2 in Human Diseases", Clinical Immunology and Immunopathology, 80(3): 225-235, (1996)		
BF	Cork et al.; "Genetic control of Cytokines", Dermatologic Clinics, 14(4): 671-678, (October 1996)		
BG	D'Alfonso et al.; "A Polymorphic Variation in a Putative Regulation box of the TNFA Promoter Region", Immunogenetics 39: 150-154, (1994)		
BH	Cox et al.; "An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet. 62: 1180-1188, (1998)		
BI	Mansfield et al.; "Novel Genetic Association Between Ulcerative Colitis and the Anti-Inflammatory Cytokine Interleukin-1 Receptor Antagonist", Gastroenterology 106: 637-642, (1994)		

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<small>RECEIVED MAR 05 2002 TECH CENTER 1600/2900</small> <p>Blakemore et al.; "Interleukin-1 Receptor Antagonist Gene Polymorphism as a Disease Severity Factor in Systemic Lupus Erythematosus and Arthritis & Rheumatism 37(9): 1380-1385, (September 1994)</p> <p>BK Clay et al.; "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and their Use in Allele-Specific mRNA Assessment", Hum. Genet. 97: 723-726, (1996)</p> <p>BL Lang et al.; "IL-1 Receptor Antagonist Attenuates Sepsis-Induced Alterations in the IGF System and Protein Synthesis", Am. J. Physiol. 270: E430-E437, (1996)</p> <p>BM Woiciechowsky et al.; "Brain-IL-1β Induces Local Inflammation but Systemic Anti-Inflammatory Response Through Stimulation of Both Hypothalamic-Pituitary-Adrenal Axis and Sympathetic Nervous System", Brain Research 816: 563-571, (1999)</p> <p>BN Lang et al.; "Role of Central IL-1 in Regulating Peripheral IGF-I During Endotoxemia and Sepsis", Am. J. Physiol. 274: R956-R962, (1998)</p> <p>BO Slotman et al.; "Unopposed Interleukin-1 is Necessary for Increased Plasma Cytokine and Eicosanoid Levels to Develop in Severe Sepsis", Annals of Surgery 226(1): 77-84, (1997)</p> <p>BP Blakemore et al.; "Interleukin-1 Receptor Antagonist Allele (IL1RN*2) Associated with Nephropathy in Diabetes Mellitus", Hum. Genet. 97: 369-374, (1996)</p> <p>BQ Clay et al.; "Interleukin 1 Receptor Antagonist Gene Polymorphism Association with Lichen Sclerosus", Hum. Genet. 94: 407-410, (1994)</p> <p>BR Michael G. Newman; "Genetic Risk for Severe Periodontal Disease", Compendium of Continuing Education in Dentistry, 18(9): 881-891, (September 1997)</p> <p>BS Kornman KS et al.; "The Interleukin-1 Genotype as a Severity Factor in Adult Periodontal Disease", J. Clin. Periodontol. 24:72-77, (1997)</p>			
EXAMINER AC	DATE CONSIDERED		4/11/03
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			